

NUCLEIC ACID BIOMATERIALS AND METHODS OF FORMATION AND USE

ABSTRACT OF THE DISCLOSURE

Polymers that are biocompatible are useful for various medical purposes such as tissue repair, reconstruction and wound healing. A method and 5 composition for producing a biocompatible polymer formed from nucleic acids is disclosed. The nucleic acid polymer may be used to form a hybrid with an existing polymer to create a copolymer. The nucleic acids may be also be selected to encode particular proteins which may 10 then be expressed in a biological tissue.